Adriano Campo Bagatin

List of Publications by Year
in descending order

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39	1,772	279798 23	315739 38
papers	citations	h-index	g-index

42	42	42	1757
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	THE CANADA-FRANCE ECLIPTIC PLANE SURVEYâ€”FULL DATA RELEASE: THE ORBITAL STRUCTURE OF THE KUIPER BELT. Astronomical Journal, 2011, 142, 131.	4.7	207
2	The size, shape, density and ring of the dwarf planet Haumea from a stellar occultation. Nature, 2017, 550, 219-223.	27.8	179
3	Wavy size distributions for collisional systems with a small-size cutoff. Planetary and Space Science, 1994, 42, 1079-1092.	1.7	127
4	European component of the AIDA mission to a binary asteroid: Characterization and interpretation of the impact of the DART mission. Advances in Space Research, 2018, 62, 2261-2272.	2.6	118
5	Albedo and atmospheric constraints of dwarf planet Makemake from a stellar occultation. Nature, 2012, 491, 566-569.	27.8	95
6	Science case for the Asteroid Impact Mission (AIM): A component of the Asteroid Impact & Deflection Assessment (AIDA) mission. Advances in Space Research, 2016, 57, 2529-2547.	2.6	95
7	Possible ring material around centaur (2060) Chiron. Astronomy and Astrophysics, 2015, 576, A18.	5.1	92
8	The ESA Hera Mission: Detailed Characterization of the DART Impact Outcome and of the Binary Asteroid (65803) Didymos. Planetary Science Journal, 2022, 3, 160.	3.6	82
9	THE CANADA-FRANCE ECLIPTIC PLANE SURVEYâ€”L3 DATA RELEASE: THE ORBITAL STRUCTURE OF THE KUIPER BELT. Astronomical Journal, 2009, 137, 4917-4935.	4.7	78
10	MarcoPolo-R near earth asteroid sample return mission. Experimental Astronomy, 2012, 33, 645-684.	3.7	72
11	Collisional Evolution of Trojan Asteroidsâ˜†. Icarus, 1997, 125, 39-49.	2.5	52
12	Earth cratering record and impact energy flux in the last 150 Ma. Planetary and Space Science, 1998, 46, 271-281.	1.7	52
13	GRBâ€‰021004 modelled by multiple energy injections. Astronomy and Astrophysics, 2005, 443, 841-849.	5.1	50
14	The CFEPS Kuiper Belt Survey: Strategy and presurvey results. Icarus, 2006, 185, 508-522.	2.5	44
15	Rotational fission of trans-Neptunian objects: the case of Haumea. Monthly Notices of the Royal Astronomical Society, 2012, 419, 2315-2324.	4.4	41
16	The Extreme Kuiper Belt Binary 2001 QW ₃₂₂. Science, 2008, 322, 432-434.	12.6	39
17	How Many Rubble Piles Are in the Asteroid Belt?. Icarus, 2001, 149, 198-209.	2.5	32
18	Collisional evolution of Trans-Neptunian populations: Effects of fragmentation physics and estimates of the abundances of gravitational aggregates. Planetary and Space Science, 2009, 57, 201-215.	1.7	32

#	Article	IF	Citations
19	Small Solar System Bodies as granular media. Astronomy and Astrophysics Review, 2019, 27, 1.	25.5	31
20	Fragment ejection velocities and the collisional evolution of asteroids. Planetary and Space Science, 1994, 42, 1099-1107.	1.7	27
21	The shapes of fragments from catastrophic disruption events: Effects of target shape and impact speed. Planetary and Space Science, 2015, 107, 77-83.	1.7	26
22	Statistics of encounters in the trans-Neptunian region. Astronomy and Astrophysics, 2013, 558, A95.	5.1	25
23	Collisional evolution of trans-Neptunian object populations in a Nice model environment. Monthly Notices of the Royal Astronomical Society, 2012, 423, 1254-1266.	4.4	24
24	The Collisional Evolution of the Main Asteroid Belt. , 2015, , .		23
25	Predictions for the Dynamical States of the Didymos System before and after the Planned DART Impact. Planetary Science Journal, 2022, 3, 157.	3.6	23
26	Short-term variability of 10 trans-Neptunian objects. Monthly Notices of the Royal Astronomical Society, 2012, 424, 3156-3177.	4.4	21
27	Effects of the Geometric Constraints on the Size Distributions of Debris in Asteroidal Fragmentation. Icarus, 2001, 149, 210-221.	2.5	14
28	Gravitational re-accumulation as the origin of most contact binaries and other small body shapes. Icarus, 2020, 339, 113603.	2.5	13
29	The large trans-Neptunian object 2002 TC₃₀₂from combined stellar occultation, photometry, and astrometry data. Astronomy and Astrophysics, 2020, 639, A134.	5.1	13
30	Internal structure of asteroid gravitational aggregates. Icarus, 2018, 302, 343-359.	2.5	11
31	Orbital stability analysis and photometric characterization of the second Earth Trojan asteroid 2020 XL5. Nature Communications, 2022, 13, 447.	12.8	10
32	On the genesis of the Haumea system. Monthly Notices of the Royal Astronomical Society, 2016, 461, 2060-2067.	4.4	8
33	Multifractal Fits to the Observed Main Belt Asteroid Distribution. Icarus, 2002, 157, 549-553.	2.5	5
34	Yarkovsky depletion and asteroid collisional evolution. Planetary and Space Science, 2004, 52, 1087-1091.	1.7	3
35	Collisional evolution of the trans-Neptunian region in an early dynamical instability scenario. Monthly Notices of the Royal Astronomical Society, 2022, 514, 4876-4893.	4.4	3
36	Small solar system bodies as granular systems. EPJ Web of Conferences, 2017, 140, 14011.	0.3	1

#	Article	IF	Citations
37	Asteroids and Comets: Monoliths or Gravitational Aggregates?. , 2003, , 353-356.		0
38	Collisional Evolution of the Asteroid Size Distribution: A Numerical Simulation. , 1993, , 403-404.		0
39	Collisional reaccumulation of asteroids. International Astronomical Union Colloquium, 1999, 173, 145-152.	0.1	0